Spencer Eanes

spencereanes.org
spencer.eanes@gmail.com | 847.730.7247 | 1729 Seward St., Evanston, IL 60202

EDUCATION

ST. OLAF COLLEGE
Northfield, MN
B.A. Mathematics
Expected May 2020
Major GPA: 3.92/4.0

B.A. Computer Science
Expected May 2020
Major GPA: 3.84 / 4.0

Statistics Concentration
Expected May 2020
Concentration GPA: 3.65 / 4.0

Overall
Dean's List: F'16, S'17, F'17, S'18
Cum. GPA: 3.85 / 4.0

EVANSTON TWP. HS
Grad. May 2016 | Evanston, IL.
Graduated with High Distinction

COURSEWORK

Completed
Statistics for Science
Statistical Modeling
Calculus I-III
Linear Algebra
Differential Equations
Modern Computational Math
Abstract Algebra
Algorithms & Data Structures
Software Design + Lab
Mobile Computing Apps

SKILLS

PROGRAMMING
Proficient:
C++ • R • Git • Bash • LaTeX
Familiar:
Python • Javascript • Java • PostGreSQL • HTML

OPERATING SYSTEMS
Proficient:
Linux (CentOS, GalliumOS)
Windows (XP, 7, 8 , 10)
Android (6 - 9)
Familiar:
Macintosh (10.6 - 10.11)

EXPERIENCE

NATL. CENTER FOR EDUCATION STATISTICS | JPSM Junior Fellow
May 2018 - Present | Washington, District of Columbia
- Selected by University of Maryland Joint Program in Survey Methodology for Junior Fellow summer position, interning at NCES.
- Worked on data analysis using 2015-16 School Survey on Crime and Safety dataset, generating summary reports using R.

ST. OLAF COMPUTER SCIENCE DEPT. | Software Design TA
Feb 2018 – May 2018 | Northfield, MN
- Attending a weekly lab to answer questions and facilitate student problem-solving.
- Grade labs submitted through GitLab.
- Created bash script toolkit to automate grading process.

ST. OLAF CENTER FOR UNDERGRADUATE RESEARCH | Researcher
May 2017 – Aug 2017 | Northfield, MN
- 10-week team oriented research experience with culminating presentation.
- Investigated the use of lie symmetries in the invariantization of numerical schemes.
- Compared the accuracy of invariant vs. non-invariant numerical schemes applied to differential equations.

PROJECTS

COMAP ICM 2018 PROBLEM D | Team Member
February 2018 | Northfield, MN
Developed a mathematical model to determine the optimal placement of electric vehicle charging stations, and created a proposal to convert an entire nation from gas to electric vehicles.

SUMMER RESEARCH PRESENTATIONS | Research Co-Presenter
August 2017, October 2017 | Northfield, MN
Worked with Shane Koseriadzki and Professor Joe Benson to create a poster and presentation materials as well as academic paper based on summer research, presented at the end of summer research colloquium in early August, and again at the Northfield Undergraduate Research Colloquium in early October. The material was presented at the Midstates Math Consortium at the University of Chicago.

AWARDS

2018	International	CoMAP ICM Competitor, Honorable Mention
2016	Institutional	St. Olaf Buntrock Scholar, Highest Academic Scholarship
2016	National	National Merit Commended Scholar
2016	National	AP Scholar
2016	State	Illinois State Scholar
2016	National	National Honors Society
2015	International	CoMAP HiMCM Competitor, Honorable Mention
2014	International	CoMAP HiMCM Competitor, Meritorious Winner

EXTRACURRICULARS

Sep - Dec 2017	Resiliance, Empathy, Assertiveness Listening Training Member
Fall 2017	St. Olaf Academic Support Center Tutor
Fall 2016 - Present	St. Olaf Stewardship Office Assistant
Fall 2016 - Present	Men's Club Volleyball